



Europäisches Patentamt
European Patent Office
Office européen des brevets

Publication number:

**0 366 303
A2**

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 89310397.8

(51) Int. Cl.⁵: **C12N 1/00 , C12N 9/14 ,
C12N 9/78 , C12N 9/80 ,
C12P 41/00**

(22) Date of filing: 11.10.89

(30) Priority: 24.10.88 GB 8824897

(43) Date of publication of application:
02.05.90 Bulletin 90/18

(84) Designated Contracting States:
AT BE CH DE FR GB IT LI NL SE

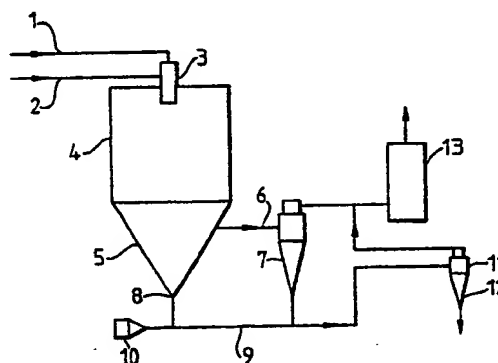
(71) Applicant: **IMPERIAL CHEMICAL INDUSTRIES
PLC**
Imperial Chemical House, Millbank
London SW1P 3JF(GB)

(72) Inventor: **Liddell, John McDonald**
10 Kearsley Close Park View Eaglescliffe
Stockton-on-Tees Cleveland TS16 0BY(GB)
Inventor: **Greer, William**
64 Imperial Road
Billingham Cleveland TS23 1DN(GB)

(74) Representative: **Aufflick, James Neil et al**
Imperial Chemical Industries PLC Legal
Department: Patents PO Box 6 Bessemer
Road
Welwyn Garden City Herts, AL7 1HD(GB)

(54) **Biocatalysts.**

(57) Production of enzyme-containing biocatalysts by a method in which whole cells of enzyme-containing microorganisms are spray dried under conditions such that the biocatalytic activity of the enzymes is retained. The method may be used to produce biocatalysts containing in particular the enzymes cyanide hydratase, amidase and D-2-haloalkanoic acid halohydratase. Biocatalysts per se and a process in which they are used for conducting a biochemical reaction are also claimed.



EP 0 366 303 A2